

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037290.D
 Acq On : 30 Jul 2021 18:36
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:57:34 AM

Quant Time: Jul 30 23:05:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 2021
 QLast Update : Fri Jul 30 22:49:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1260061	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3922398	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3713827	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2721033	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	218478	1.041	ppbv	96
3) Chlorodifluoromethane	2.98	51	274170	1.114	ppbv	100
4) Chloromethane	3.13	50	95805	1.167	ppbv	91
5) Vinyl Chloride	3.26	62	90652	1.006	ppbv	95
6) Bromomethane	3.47	94	57657	1.075	ppbv	97
7) Chloroethane	3.55	64	36735m	1.139	ppbv	
8) Dichlorotetrafluoroethane	3.18	85	258837	1.154	ppbv	100
9) Propene	3.00	41	97049	1.235	ppbv	97
10) Heptane	8.13	43	214440	1.121	ppbv	99
11) Trichlorofluoromethane	3.95	101	248728	1.074	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	179249	1.088	ppbv	98
13) Ethanol	3.62	45	23210m	1.848	ppbv	
14) Bromoethene	3.74	108	72691	1.051	ppbv	93
15) Acetone	3.85	43	300369	2.088	ppbv #	81
16) 1,3-Butadiene	3.32	39	87449	1.046	ppbv	98
17) tert-Butyl alcohol	4.29	59	149724	1.140	ppbv	95
18) 1,1-Dichloroethene	4.29	96	78623	1.073	ppbv	93
19) Isopropyl Alcohol	3.97	45	95491m	1.114	ppbv	
20) Methylene Chloride	4.34	84	94970	1.059	ppbv	87
21) Allyl Chloride	4.41	41	101611	0.949	ppbv	95
22) trans-1,2-Dichloroethene	4.89	96	68528	0.937	ppbv	96
23) Vinyl Acetate	5.07	43	235758	1.182	ppbv	97
24) 1,1-Dichloroethane	5.01	63	168691	1.052	ppbv	98
25) Ethyl Acetate	5.68	43	343783	1.097	ppbv #	98
26) Hexane	5.69	57	183441	1.141	ppbv	92
27) Carbon Disulfide	4.55	76	141650	0.934	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	198364	1.100	ppbv	100
29) Chloroform	5.75	83	266058	1.103	ppbv	100
30) Cyclohexane	7.13	84	153520m	1.167	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	150677	1.043	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	257241	1.000	ppbv	98
34) 2-Butanone	5.25	43	216364m	1.419	ppbv	
35) Carbon Tetrachloride	7.02	117	263181m	1.010	ppbv	
36) Benzene	6.89	78	355325m	1.117	ppbv	
37) 1,2-Dichloroethane	6.31	62	191081	1.048	ppbv	100
38) Trichloroethene	7.84	130	153032	1.007	ppbv	95
39) 1,2-Dichloropropane	7.61	63	127014	1.079	ppbv	99
40) 1,4-Dioxane	7.86	88	42248m	1.317	ppbv	
41) Tetrahydrofuran	6.07	42	57524	0.812	ppbv #	79
42) Bromodichloromethane	7.79	83	244381	0.971	ppbv #	94
43) Methyl Methacrylate	8.02	69	112150	1.025	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037290.D
 Acq On : 30 Jul 2021 18:36
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:57:34 AM

Quant Time: Jul 30 23:05:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 2021
 QLast Update : Fri Jul 30 22:49:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	596300	1.116	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	80552m	0.846	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	113441	0.868	ppbv	91
47) 1,1,2-Trichloroethane	9.48	97	148817m	1.102	ppbv	
48) Dibromochloromethane	10.31	129	206220m	0.972	ppbv	
49) Bromoform	13.05	173	144705	0.903	ppbv	97
50) 4-Methyl-2-Pentanone	8.76	43	216004	1.041	ppbv	94
51) 2-Hexanone	10.16	43	88827	0.881	ppbv #	87
52) Tetrachloroethene	11.23	164	148286	1.001	ppbv	96
53) Toluene	9.81	91	418616	1.099	ppbv	98
54) 1,2-Dibromoethane	10.62	107	204072	1.054	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.13	131	173921	1.077	ppbv #	1
57) Chlorobenzene	12.15	112	334808	1.111	ppbv	95
58) Ethyl Benzene	12.72	91	545265	1.071	ppbv	91
59) m/p-Xylene	13.01	91	943340m	2.186	ppbv	
60) o-Xylene	13.70	91	445423	1.083	ppbv	99
61) Styrene	13.53	104	214192	1.011	ppbv	96
62) Isopropylbenzene	14.67	105	651101	1.110	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.68	83	319751m	1.158	ppbv	
64) n-propylbenzene	15.57	120	162607	1.105	ppbv	82
65) tert-Butylbenzene	16.75	119	608778	1.163	ppbv	97
66) Benzyl Chloride	17.00	91	23091m	0.956	ppbv	
67) sec-Butylbenzene	17.30	105	797869	1.142	ppbv	98
69) p-Isopropyltoluene	17.67	119	687776	1.165	ppbv	99
70) n-Butylbenzene	18.56	91	625636	1.145	ppbv	99
71) 2-Chlorotoluene	15.46	91	452140	1.101	ppbv	99
72) 4-Ethyltoluene	15.85	105	533946	1.128	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	495089	1.087	ppbv	95
74) 1,2,4-Trimethylbenzene	16.77	105	570005	1.215	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	325260	1.131	ppbv	96
76) 1,4-Dichlorobenzene	17.14	146	346990m	1.201	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	305758	1.096	ppbv	93
78) Hexachloro-1,3-Butadiene	23.38	225	237704	1.014	ppbv	97
79) Naphthalene	22.21	128	436525	1.155	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	107035	1.085	ppbv #	81
81) 1,2,4-Trichlorobenzene	21.94	180	267037m	1.206	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

